# Electronic Filing System (EFS) Data
## Electronic Patent Application Submission
### USPTO Use Only

| | |
|---|---|
| EFS ID: | 16129 |
| Application ID: | 10064283 |
| Title of Invention: | BRUSH SEAL FOR A STEAM TURBINE AND METHOD OF RETROFITTING |
| First Named Inventor: | Norman Turnquist |
| Domestic/Foreign Application: | Domestic Application |
| Filing Date: | null |
| Effective Receipt Date: | 2002-06-28 |
| Submission Type: | Utility Patent Filing |
| Filing Type: | new-utility |
| Confirmation Number: | 0 |
| Attorney Docket Number: | 121251 |
| Digital Certificate Holder: | cn=Enrique Nmn Abarca, ou=Registered Attorneys, ou=Patent and Trademark Office, ou=Department of Commerce, o=U.S. Government, c=US |
| Certificate Message Digest: | yl4xsyE8LaOR5IrB7Vsbrg== |
| Total Fees Authorized: | $864.0 |
| Payment Category: | DA – Deposit Account |
| Deposit Account Number: | 70868 |
| Deposit Account Name: | Enrique Abarca |

10064283 .062802

JC474 U.S. PTO
10/064283
06/28/02

# TRANSMITTAL FORM

Electronic Version 1.0.3

Stylesheet Version: 1.0

Submission Type: **Utility Patent Filing**

Attorney Docket Number: 121251

# BRUSH SEAL FOR A STEAM TURBINE AND METHOD OF RETROFITTING

First Named Inventor: **Norman Arnold Turnquist**

**SUBMITTED BY**

| | |
|---|---|
| Name: | **Enrique (nmn) Abarca** |
| Registration Number: | 50805 |
| Electronic Signature Mark: EA | Date Signed: 20020628 |

*I certify that the use of this system is for OFFICIAL correspondence between patent applicants or their representatives and the USPTO. Fraudulent or other use besides the filing of official correspondence by authorized parties is strictly prohibited, and subject to a fine and/or imprisonment under applicable law.*

*I, the undersigned, certify that I have viewed a display of document(s) being electronically submitted to the United States Patent and Trademark Office, using either the USPTO provided style sheet or software, and that this is the document(s) I intend for initiation or further prosecution of a patent application noted in the submission. This document(s) will become part of the official electronic record at the USPTO.*

Attached Files:

| | |
|---|---|
| declaration | 121251Dec1.tif |
| declaration | 121251Dec2.tif |
| declaration | 121251Dec3.tif |
| patent-assignments | Abarca121251asgn.xml |

| | |
|---|---|
| fee-transmittal | **Abarca121251fee.xml** |
| bibd-transmittal | **Abarca121251apds.xml** |
| specification | **121251.xml** |

**Attached Image File(s):**

121251Dec1.tif

121251Dec2.tif

121251Dec3.tif

Comments:

# DECLARATION FOR PATENT APPLICATION

Docket Numl
121251

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

BRUSH SEAL FOR A STEAM TURBINE AND METHOD OF RETROFITTING

the specification of which is attached hereto unless the following box is checked:

☐ was filed on ____________ as United States Application Number or PCT International Application Number ________
and was amended on ____________ (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as am by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulatio §1.56. I hereby claim foreign priority benefits under Title 35, United States Code, §119(a)-(d) of any foreign application(s) for pa inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having date before that of the application on which priority is claimed.

Prior **Foreign Application**

| | | | Priority Claimed |
|---|---|---|---|
| (Number) | (Country) | (Day/Month/Year Filed) | ☐ Yes ☐ No |
| (Number) | (Country) | (Day/Month/Year Filed) | ☐ Yes ☐ No |

I hereby claim the benefit under Title 35, United States Code, §119(e) of any **United States provisional application(s)** listed below.

| | |
|---|---|
| (Application Number) | (Filing Date) |
| (Application Number) | (Filing Date) |

I hereby claim the benefit under Title 35, United States Code §120 of any **United States Application(s)** listed below and, insofa the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, §1.56 which became available between the filing da the prior application and the national or PCT international filing date of this application.

| | | |
|---|---|---|
| (Application Number) | (Filing Date) | (Status - patented, pending, abandonec |
| (Application Number) | (Filing Date) | (Status - patented, pending, abandonec |

I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent anc Trademark Office connected therewith, **CUSTOMER NO. 006147.**

Enrique Abarca, Reg. No. 50,805

Christian G. Cabou, Reg. No. 35,467, Jill M. Breedlove, Reg. No. 32,684, Donald S. Ingraham, Reg. No. 33,714, Noreen C Johnson, Reg. No. 38,929, Patrick K. Patnode, Reg. No. 40,121, Ronald E. Myrick, Reg. No. 26,315, Henry J. Policinski, Reg. N 26,621, James W. Mitchell, Reg. No. 25,602, Bernard Snyder, Reg. No. 24,843, Catherine J. Winter, Reg. No. 38,364, and John F Beninati, Reg. No. 40,510.

Address all telephone calls to: Enrique Abarca at telephone number (518) 387-5603

Address all correspondence to:
**General Electric Company**
**CRD Patent Docket Rm 4A59**
**P.O. Box 8, Bldg. K-1**

Docket Num
121251

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information belief are believed to be true and further that these statements were made with the knowledge that willful false statements and like so made are punishable by fine or imprisonment or both, under Section 1001 of Title 18 of the United States Code and such willful false statements may jeopardize the validity of the application or any patent issued thereon.

SOLE OR FIRST INVENTOR:

Full name: Norman Arnold Turnquist
First Name Middle Name Last Name
Signature: Norman Arnold Turnquist Date June 26, 2002
Residence: Sloansville, NY Citizenship: USA
City and State
Post Office Address: 1432 Corbin Hill Road, Sloansville, New York 12160

---

SECOND JOINT INVENTOR:

Full name: Thomas Martin Angeliu
First Name Middle Name Last Name
Signature: Thomas Martin Angeliu Date 6/26/02
Residence: Clifton Park, NY Citizenship: USA
City and State
Post Office Address: 10 Woods Way, Clifton Park, NY 12065

---

THIRD JOINT INVENTOR:

Full name: Peter Louis Andresen
First Name Middle Name Last Name
Signature: Peter Louis Andresen Date 6/26/02
Residence: Schenectady, NY Citizenship: USA
City and State
Post Office Address: 1204 Rugby Road, Schenectady, NY 12308

---

FOURTH JOINT INVENTOR:

Full name: Mark Edward Burnett
First Name Middle Name Last Name
Signature: Date 06/26/2002
Residence: Buskirk, NY Citizenship: USA
City and State
Post Office Address: 3099 NY Route 67, Buskirk, NY 12028

Docket Numt
121251

FIFTH JOINT INVENTOR:

Full name: Frederick George Baily
First Name Middle Name Last Name

Signature: Frederick G George Baily Date 2002-6-26

Residence: Ballston Spa, NY Citizenship: USA
City and State

Post Office Address: 4989 Jockey Street, Ballston Spa, NY 12020

SIXTH JOINT INVENTOR:

Full name:
First Name Middle Name Last Name

Signature: Date

Residence: Citizenship:
City and State

Post Office Address:

SEVENTH JOINT INVENTOR:

Full name:
First Name Middle Name Last Name

Signature: Date

Residence: Citizenship:
City and State

Post Office Address:

EIGHTH JOINT INVENTOR:

Full name:
First Name Middle Name Last Name

Signature: Date

Residence: Citizenship:
City and State

Post Office Address:

# FEE TRANSMITTAL

Electronic Version 1.1.0

Stylesheet Version: 1.0

*Patent fees are subject to annual revisions on or about October 1st of each year.*

Large Entity

## TOTAL FEES AUTHORIZED: $ 864

**The commissioner is hereby authorized to charge indicated processing and/or publication fees and credit any overpayments to:**

| | |
|---|---|
| Deposit Account Number: | 07-0868 |
| Deposit Account Name: | General Electric GRC |

Charge Any Additional Fee Required Under 37 C.F.R. Sections 1.16 and 1.17.

Charge Assignment Fees Required Under 37 C.F.R. Section 1.21 (h).

**SUBMITTED BY**

| | |
|---|---|
| Authorized Name: | Enrique Abarca |
| Electronic Signature Mark: | EA |
| Date Signed: | 20020628 |

**BASIC FILING FEE**

| Fee Description | Fee Code | Fee Paid |
|---|---|---|
| Utility Filing Fee | 101 | $ 740 |

Subtotal For Basic Filing Fee: $ 740

**EXTRA CLAIM FEES**

| | Fee Code | Fee | Extra Claims | Fee Paid |
|---|---|---|---|---|
| Total Claims: 18 | 103 | $ 18 | 0 | $ 0 |
| Independent Claims: 4 | 102 | $ 84 | 1 | $ 84 |

Subtotal For Extra Claims Fees: $ 84

ADDITIONAL FEES

| Fee Description | Number | Quantity | Fee Code | Amount | Fee Paid |
|---|---|---|---|---|---|
| Recording Each Patent Assignment Per Property Fee | 00000000 | 1 | 581 | $ 40 | $ 40 |

Subtotal For Additional Fees: $ 40